Seattle Tunnel Partners monthly schedule – January 2018

The Washington State Department of Transportation's contractor, Seattle Tunnel Partners, is responsible for designing and building the SR 99 tunnel. WSDOT's contract with STP includes a number of elements. In addition to boring the tunnel and building the highway within it, STP is responsible for building highway ramps and other connections at the north and south ends of the tunnel. They are also constructing buildings at each tunnel portal to house controls for lighting, ventilation and other systems needed to operate the tunnel.

STP submits an updated schedule to WSDOT each month. These monthly schedules show projected durations for "critical-path" activities, which are activities that must be completed on time for the project to be finished on the projected completion date. An activity on the critical path cannot be started until certain prior activities are complete.

The detailed critical-path schedule can be found on the following pages. Like all large construction projects, the schedule for this project changes frequently. Because STP is responsible for the schedule under the terms of the project's design-build contract, WSDOT cannot verify any of the dates shown in this schedule.

As a reminder, after STP hands over the tunnel to the state, work must be done to connect the new tunnel to SR 99 in the south and Aurora Avenue North in the north. Based on STP's schedule, WSDOT estimates the tunnel would open to traffic as early as fall 2018.

S-G-INV-GEN-CR10-00098-02b

D Duale (Dala	Date February 1, 2018)	OD	Start	Appendix B2.		Last Month	Start	art Finish		otal			2018										2019	eb-18 14	
					Start	Finish	Variance	Variance	Float	Feb	Ma	r A	pr	May	Jun	Jul	A	ug Se	Sep	Oct	Nov	Dec	Jan	Feb	
echanical - E	Electrical - Plumbing	56	02-Jan-18 A	19-Apr-18	08-Jan-18	19-Apr-18	4	0	0												-				
Southbound Ro		55	02-Jan-18 A	19-Apr-18	08-Jan-18	19-Apr-18	4	0	0												:				
	SOUTH BOUND - Install MEP Anchors - Reach 13	8	02-Jan-18 A	01-Feb-18	08-Jan-18	16-Jan-18	5	-14	0	SOUTI	; H [¦] BOUN	D - Install	: MEP År	nchors - R	each 13	1									-
	SOUTH BOUND - Install MEP Anchors - Reach 14	3	02-Feb-18	05-Feb-18	17-Jan-18	23-Jan-18	-14	-11	0	_	- 1	1	- 1	Anchors -							:				
MEP Reach 14 - 200	SOUTH BOUND - Install Mesh - Reach 14	6	06-Feb-18	13-Feb-18	29-Jan-18	06-Feb-18	-7	-5	0		i	i	- 1	esh - Reac							:				
MEP Reach 14 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reach 14	6	14-Feb-18	20-Feb-18	08-Feb-18	17-Feb-18	-4	-2	0		\$OUTH	BOUND -	Install	Struts, Ro	ds, Eye bo	olts, Sign & 0	Camer	a Structures	 Reach - د	h 14	;i				
MEP Reach 14 - 220	SOUTH BOUND - Install Fireproofing (1st & 2nd Coat) - Reach 14	6	21-Feb-18	28-Feb-18	19-Feb-18	28-Feb-18	-2	0	0		SOU	тн воим	D - Ins	tall Firepro	ofing (1st	& 2nd Coat	ıt) ‡ Rea	ch 14			i		1		
MEP Reach 14 - 230	SOUTH BOUND - Install Fire Supr, Swivel Mounts, Cable (LHD), Struts, Lights, Conduit / Pull Wire , Bump Test F1s - R14	7	01-Mar-18	08-Mar-18	01-Mar-18	08-Mar-18	0	0	0	Т,	S	оит н во	UND :	Install Fire	Supr, Swi	vė́l Mounts,	, Cable	(LHD), Strut	ts, Lights	s, Conduit	/ Pull Wire	, Bump Te	‡ F1s - R14		
MEP Tun Wide - 140	Install South Bound AM Radio Counterpoise	10	09-Mar-18	22-Mar-18	09-Mar-18	22-Mar-18	0	0	0			Install \$	SouthE	Bound AM F	Radio Cou	nterpoise					!				
MEP Tun Wide - 160	Install South Bound Tunnel Radio Antenna	20	23-Mar-18	19-Apr-18	23-Mar-18	19-Apr-18	0	0	0		4	-	Inst	tall South B	ound Tun	nel Radio A	Antenna								
Electrical Room	115	32	01-Feb-18	16-Mar-18	18-Jan-18	08-Mar-18	-10	-6	0							-									
ER 15 - 110	Electrical System: Handle & Set Equipment (XFMRS, PNLS, UPS, LTG CNTRL) - Electrical Room #15	7	01-Feb-18	09-Feb-18	18-Jan-18	14-Feb-18	-10	3	0	📙 EI	lectrical S	System: H	andle &	Set Equip	ment (XFI	иRS, PNLS,	S, ŲPS,	LTG CNTRL	L) - Elect	trical Roor	m #15		1		
ER 15 - 120	Electrical System: Install Raceways - Electrical Room #15	17	01-Feb-18	23-Feb-18	18-Jan-18	14-Feb-18	-10	-7	0		Electric	al System	: Install	l Raceways	- Electric	al Room #1	15				1				
ER 15 - 170	Lighting System: Install Wire, Fixtures & Protection - Electrical Room #15	10	26-Feb-18	09-Mar-18	15-Feb-18	28-Feb-18	-7	-7	0	<u> </u>	للم	ighting Sys	tem: Ín	stall Wire,	Fixtures 8	Protection	n - Elect	rical Room #	#15		!				
ER 15 - 510	Final Wire Pull / Termination from South Bound Roadway - Electrical Room #15	5	12-Mar-18	16-Mar-18	02-Mar-18	08-Mar-18	-6	-6	0			Final Wi	e Pull /	Termination	n from So	uth Bound F	Roadwa	ay - Electrica	al Room #	#15	: !				
sting and Co	ommissioning	107	19-Mar-18	14-Aug-18	09-Mar-18	14-Aug-18	-6	0	0							-					i				
	Prefunctional Check List for Radio System (TR 2.41)	15	20-Apr-18	10-May-18	20-Apr-18	10-May-18	0	0	0		+1	Ļ		Prefur	nctional Cl	; héck List foi	; or Radio	System (TF	R 2.41)		:	!	1		-
un Wide Prefunc 160	South Bound Pre-Commissioning Internal Testing - 2 Way Radio System	15	11-May-18	31-May-18	11-May-18	31-May-18	0	0	0					-		1	- 1	sioning Inter	- 1	ing - 2 Wa	ay Radio Sy	stem			
refunctional C	heck List	44	19-Mar-18	17-May-18	09-Mar-18	11-May-18	-6	-4	0									1			1				
Electrical Roo	m 15 PFCs	27	19-Mar-18	24-Apr-18	09-Mar-18	16-Apr-18	-6	-6	0												!				
	South Bound Roadway Prefunctional Check List for Electrical - ER 15	10	19-Mar-18	30-Mar-18	09-Mar-18	22-Mar-18	-6	-6	0			Sout	th Rour	nd Pondwa	v Profunc	tional Charl	ok liet fo	or Electrical	ED 15		;		·		
	South Bound Roadway Prefunctional Check List for Fire Alarm System - ER 15	5	02-Apr-18	06-Apr-18	23-Mar-18	29-Mar-18	-6	-6	0		-	- ;	- 1		-		- 1	t for Fire Ala			15		1		
	South Bound Roadway Prefunctional Check List for Controls - ER 15	5	02-Apr-18	06-Apr-18	23-Mar-18	29-Mar-18	-6	-6	0			T- 1-				1	1	t for Control	1	1	;				
	South Bound Roadway Prefunctional Check List for Mechanical - ER 15	12	09-Apr-18	24-Apr-18	30-Mar-18	16-Apr-18	-6	-6	0			<u>_</u>		i i		i	i	eck List for I	i	i i	15				
Tunnel Wide		17	25-Apr-18	17-May-18	19-Apr-18	11-May-18	-4	-4	0				Έ												
	Maintenance Air Test and Balance (TR2.34)	12	25-Apr-18	10-May-18	19-Apr-18	04-May-18	-4	-4	0				٠	Mante	nanca Air	Test and B	Ralanca	(TR2 34)			[į		
	Pre- Commissioning Internal Testing - Maintenance Ventilation Algorithm	5	11-May-18	,	07-May-18	11-May-18	-4	-4	0				<u> </u>	I. I. I		-	- 1	sting - Maint	itenance	\/entilation	n Algorithm				
ntegrated Fund		63	18-May-18	14-Aug-18	16-May-18	14-Aug-18	-2	0	0						Commis	i into	oniai ro	July Ividii	icitaties	vermanor	i agona ini				
MEP - FPT - 120	Maintenance Ventilation (TR 2.34) - Functional Performance Testing	10	18-May-18	31-May-18	16-May-18	29-May-18	-2	-2	0					ليهاجا	Mainton	 	 	D 2 24) F.		Doutous	Taatia	1			
MEP - FPT - 144	South Bound Tunnel Airflow Verification (TR 2.35.5.2.1.1 & TR 2.35.5.2.1.1) - Functional Performance Testing	18	01-Jun-18	26-Jun-18	01-Jun-18	26-Jun-18	0	0	0						iviainten		1 1	R 2.34) - Fu	- :	1	1	Ţ	(2.1.1) Fun	tional Borf	formono
MEP - FPT - 300	North Bound Tunnel Airflow Verification (TR 2.35.5.2.1.1 & TR 2.35.5.2.1.1) Functional Performance Testing	18	01-Jun-18	26-Jun-18	30-May-18	22-Jun-18	-2	-2	0									nnel Airflow					. 	{	
MEP - FPT - 140	Tunnel Ventilation (TR 2.35) - Functional Performance Testing		27-Jun-18	17-Jul-18	27-Jun-18	17-Jul-18	0	0	0						_		- 1	entilation (T	- 1		1	1		tionair en	Unitario
MEP - FPT - 230	Functional Tests - COMPLETE	0		17-Jul-18		17-Jul-18	0	0	0							_		nal Tests - C	1.7		!	Linee resul	-		
MEP - IFPT - 000	Pre - Test Integrated Functional Performance Testing	7	18-Jul-18	26-Jul-18	18-Jul-18	26-Jul-18	0	0	0							-		Test Integra		1	rformanco	Toeting			
MEP - IFPT - 100	Default - Integrated Functional Performance Testing - 0	1	27-Jul-18		27-Jul-18	27-Jul-18	0	0	0							Ę		ult - Integrat							
	Minor Fire One Direction - Integrated Functional Performance Testing - 1	1			30-Jul-18	30-Jul-18	0	0	0							c	i de la como		-2:		F	} <u>-</u>	t	a 1	ļ
MEP - IFPT - 120	Major Fire One Direction - Integrated Functional Performance Testing - 2	1	31-Jul-18	31-Jul-18	31-Jul-18	31-Jul-18	0	0	0							Ę.		or Fire One jor Fire One	- 1	- 1	1	1	1	17	
MEP - IFPT - 130	Two Fires Same Direction - Integrated Functional Performance Testing - 3		01-Aug-18		01-Aug-18	02-Aug-18	0	0	0							[C	- '- '	o Fires San	1	- 1	1	1	1	1	
MEP - IFPT - 140	Fire Outside Portal Entrance - Integrated Functional Performance Testing - 4	1	03-Aug-18	03-Aug-18	03-Aug-18	03-Aug-18	0	0	0									re Outside F	:			!	1	: ' :	1
MEP - IFPT - 150	Maintenance Closure/Special Events - Integrated Functional Performance Testing - 5	1	03-Aug-18	-	03-Aug-18	03-Aug-18	0	0	0									aintenance (1	:	1 1	:	1	1 1	1
MEP - IFPT - 160	Second Incident - Different Locations - Integrated Functional Performance Testing - 6	1	06-Aug-18		06-Aug-18	06-Aug-18	0	0	0									Second Incid			}	F	÷	{	
MEP - IFPT - 170	Major/Blocking Debris - Integrated Functional Performance Testing - 7	1	06-Aug-18	-	06-Aug-18	06-Aug-18	0	0	0							1	L-	Лаjor/Blockir	- 1	1	1	1	1	1 1	-
MEP - IFPT - 180	Wrong Way Vehicle - Integrated Functional Performance Testing - 8	1	07-Aug-18	07-Aug-18	07-Aug-18	07-Aug-18	0	0	0							}	_	Wrong Way	- 1	- 1	1	1	1	17	
MEP - IFPT - 190	SB Off-ramp Congestion - Integrated Functional Performance Testing - 9	1	08-Aug-18	08-Aug-18	08-Aug-18	08-Aug-18	0	0	0								- 11	SB Off-ramp		- 1	!	!	!	!!!	
MEP - IFPT - 200	NB Off-ramp Congestion - Integrated Functional Performance Testing - 10	1	08-Aug-18	08-Aug-18	08-Aug-18	08-Aug-18	0	0	0							1	½	NB Off-ramp	p Conges	stion - Inte	egrated Fur	nctional Pe	tormance To	sting - 10	
MEP - IFPT - 220	Loss of Utility Power - Integrated Functional Performance Testing - 12	1	09-Aug-18	09-Aug-18	09-Aug-18	09-Aug-18	0	0	0								Ħ	Loss of Utili	ity Power	r - Integral	ted Functic	nal Perforr	nance Testir	g - 12	
MEP - IFPT - 230	Medical Incident/Stalled Vehicle/Debris/Dead Animal/Pedestrian - Integrated Functional Performance Testing - 13	1	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	0	0	0							1	- 2	Medical Inc	ident/\$ta	alled Vehic	le/Debris/D	ead Anima	l/Pedestrian	Integrated	d Functi
MEP - IFPT - 240	Maintenance/Moving Operation - Integrated Functional Performance Testing - 14	1	13-Aug-18	13-Aug-18	13-Aug-18	13-Aug-18	0	0	0							1		Maintenan	nce/Movir	ng Operat	tion - Integr	ated Funct	ional Perforr	ance Testi	ing - 14
MEP - IFPT - 250	Earthquake/Flooding/Tsunami/Explosion/Terrorism - Integrated Functional Performance Testing - 15	1	13-Aug-18	13-Aug-18	13-Aug-18	13-Aug-18	0	0	0							-	"	Earthquak	e/Floodir	ng/Tsunar	mi/Explosion	n/Terrorisn	- Integrated	Functiona	Perfor
MEP - IFPT - 260	HAZMAT: Spill Response (Non-Hazardous and Fuel) - Integrated Functional Performance Testing - 16	1	14-Aug-18		14-Aug-18	14-Aug-18	0	0	0				İ.				-	HAZMAT:	Spill Res	sponse (N	Non-Hazard	ous and F	uel) - Integra	ted Functio	nal Per
MEP - IFPT - 270	HAMAT: Hazardous Materials (chemicals, toxic gas, radioactive) - Integrated Functional Performance Testing - 17	1	14-Aug-18	-	14-Aug-18	14-Aug-18	0	0	0						-		1	HAMAT: H	Hazardou	us Materia	als (chemic	als, toxic g	as, radioacti	/e) - Integra	ated Fu
MEP - IFPT - 280	Common Response Plan - Integrated Functional Performance Testing - 18		14-Aug-18	-	14-Aug-18	14-Aug-18	0	0	0							1	1				Integrated F			Testing - 1	18
MEP - iFPT - 300	Integrated Functional Performance Tests - COMPLETE	0		14-Aug-18		14-Aug-18	0	0	0							1	7	Integrated	ı Functior	mai Pertor	rmance Tes	sis - COMI	LEIE		
ompletion Mi	ilestones	240	14-Aug-18	11-Apr-19	14-Aug-18	11-Apr-19	0	0	0							1					:		1		
lile-Forecast SC	Substantial Completion (Forecast)	0		14-Aug-18		14-Aug-18	0	0	0				i			1	 -	Substantia	al Comple	letion (For	ecast)	_			-
lile-Forecast PW 85	Project Wide - Physical Completion (Forecast)	0		12-Dec-18		12-Dec-18	0	0	0				· · · · · · · · · · · · · · · · · · ·			!		!			; 	Proj	ect Wide - P	nysical Con	npletion
lile-Forecast PW 90	Project Wide - Milestone - Final Completion (Forecast)	0		11-Apr-19		11-Apr-19	0	0	0							-									
																	_								